

CLAIMS

1. A commissioning module including:

an assembly of fluid control elements including a main fluid supply port, a main fluid return port, a first fluid distribution port and a second fluid distribution port, the assembly of fluid control elements being operable to pass supply fluid from the main fluid supply port to the first fluid distribution port and to pass return fluid entering the second fluid distribution port to the main fluid return port, at a rate that may be varied by at least one of the fluid control elements,

a plurality of lengths of conduit connected to the ports of the assembly of fluid control elements,

15 a housing enclosing the assembly of fluid control elements, the periphery of the housing including respective apertures through which pass the plurality of lengths of conduit, the housing being airtight except for the apertures in its periphery and

20 a plurality of sealing members providing airtight seals between the apertures in the periphery of the housing and the respective lengths of conduit passing through the apertures.

25 2. A module as claimed in claim 1, wherein the sealing members include grommets.

3. A module as claimed in claim 1, wherein the sealing members include grommet sleeves.

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4. A module as claimed in claim 1, wherein the sealing members include cable glands.

5. A module as claimed in any one of claims 1 to 3, wherein a plurality of sealing members are merged into a layer of resilient material.

5 6. A module as claimed in any one of claims 1, 2 or 5, wherein the sealing members are positioned on the outer surface of the periphery of the housing.

10 7. A module as claimed in any one of claims 1, 2 or 5, wherein the sealing members are positioned on the inner surface of the periphery of the housing.

15 8. A module as claimed in any one of claims 1 to 7, wherein the lengths of conduit include a resilient covering layer.

9. A module as claimed in claim 8, wherein the resilient covering layer is a plastics material.

20 10. A module as claimed in claim 8 or claim 9, wherein the resilient covering layer is of a foamed material.

11. A module as claimed in any one of claims 1 to 10, wherein the sealing members are of a plastics material.

25 12. A module as claimed in any one of claims 1 to 11, wherein the sealing members are of a foamed material.

30 13. A module as claimed in any one of claims 1 to 12, wherein the housing includes a lid, sealing means being included for effecting an airtight seal between the lid and the remainder of the housing, when the lid is fitted.

14. A module as claimed in any one of claims 1 to 13,
wherein the assembly of fluid control elements includes
elements operable to effect the flushing through of the
5 assembly.

15. A module as claimed in any one of claims 1 to 14,
wherein the assembly of fluid control elements includes:

10 a plurality of fluid distribution valves so connected
together as to provide a first through-port communicating
with a second through-port by way of a fluid passage, the
fluid distribution valves including respective fluid outlet
ports communicating with the fluid passage through fluid
flow-control means,

15 a first isolating valve including an inlet port and an
outlet port, the outlet port being connected to the first
through port of the plurality of fluid distribution valves
and the inlet port providing a fluid supply port of the
commissioning module,

20 further isolating valve means including an inlet port
and an outlet port, the inlet port being connected to the
second through-port of the plurality of fluid-distribution
valves and the outlet port being connected to a combined
fluid-exhaust port of the commissioning module,

25 a plurality of fluid flow-regulating valves, the same
in number as there are fluid-distribution valves, including
respective inlet and outlet ports, the outlet ports being
connected to the combined fluid-exhaust port of the
commissioning module,

30 a further fluid flow-regulating valve connected between
the combined fluid-exhaust port and a further fluid exhaust
port of the commissioning module,

flow-rate measuring means connected between the further fluid flow-regulating valve and the combined fluid-exhaust port of the commissioning module and

5 at least one drain-off cock connected to permit the draining of fluid from the commissioning module.

16. A module substantially as herein described with reference to and as shown in the accompanying drawings.